## LISTING OF CLAIMS

1. (Currently Amended) A multi-layer thin film coating for use with photochromic lenses, said multi-layer thin film comprising a plurality of dielectric layers for deposition onto a photochromic lens, said dielectric layers being selected and arranged so as to reflect an amount less than about 15% of spectral ultraviolet radiation in a range between 315 and 400 nm~~;~~ and an amount equal to or greater than about 10% of light in the visible spectrum in a range between 410 and 800 nm; ~~said dielectric layers selected and arranged to reflect at least some light in the visible spectrum~~ so as to exhibit a visible colored appearance when observed from a side opposite from the photochromic lens.

2. (Canceled)

3. (Previously Presented) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating reflects less than 6% of spectral ultraviolet radiation.

4. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises $SiO_2$.

5. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises $TiO_2$.

6. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers alternate low and high refractive indices.

7. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises $ZrO_2$.

8. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises twelve layers.

9. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises four layers.

10. (Original) The multi-layer thin film coating according to claim 1, wherein the plurality of dielectric layers comprises up to 100 layers.

11. (Original) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating has an activation value greater than 40% of the activation value of the photochromic lens.

12. (Original) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating has an activation value greater than 90% of the activation value of the photochromic lens.

13. (Original) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating has an activation value greater than 97% of the activation value of the photochromic lens.

14. (Original) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating has an activation value substantially equal to the activation value of the photochromic lens.

15. (Original) The multi-layer thin film coating according to claim 1, wherein the multi-layer thin film coating has an activation value greater than about 25%.

16. (Previously Presented) The multi-layer thin film coating according to claim 1, said dielectric layers selected and arranged so as to exhibit a mirror like appearance at least when observed from a side opposite from the photochromic lens.

17. (Previously Presented) The multi-layer thin film coating according to claim 1, said dielectric layers selected and arranged so as to exhibit a silver like appearance at least when observed from a side opposite from the photochromic lens.

18. (Previously Presented) The multi-layer thin film coating according to claim 1, said dielectric layers selected and arranged in a sequence: $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, so as to obtain a silver mirror like appearance when observed from a side opposite from the photochromic lens.

19. (Currently Amended) A photochromic ~~sunglass~~ lens having a visible colored appearance, the photochromic ~~sunglass~~ lens ~~having a visible colored appearance and~~ comprising a multi-layer thin film, the multi-layer thin film comprising a plurality of dielectric ~~$SiO_2$ layers and a plurality of $TiO_2$~~ layers, wherein the film reflects an amount less than about 15% of spectral ultraviolet radiation in a range between 315 and 400 nm and reflects an amount equal to or greater than about 10% of ~~at least some~~ light in the visible spectrum in a range between 410 and 800 nm so as to exhibit the visible colored appearance.

20. (Previously Presented) The lens of claim 19, wherein the colored appearance comprises a mirror like appearance.

21. (Previously Presented) The lens of claim 19, comprising a twelve layer arrangement comprising alternating $TiO_2$ and $SiO_2$ layers.

22. (Previously Presented) The lens of claim 19, wherein the colored appearance comprises a white silver like appearance.

23. (Previously Presented) The lens of claim 19, comprising a twelve layer arrangement comprising $TiO_2$, $SiO_2$ and $ZrO_2$ layers.

24. (Currently Amended) A method of creating a colored photochromic lens having a reflectance of less than about 15% of spectral ultraviolet radiation in a range between 315 and 400 nm, the method comprising applying a plurality of dielectric layers ~~of $TiO_2$ and $SiO_2$~~ onto a photochromic lens wherein the plurality of dielectric layers collectively reflect an amount equal to or greater than about 10% of ~~at least some~~ light in the visible spectrum in a range between 410 and 800 nm so as to exhibit a visible colored appearance.

25. (Previously Presented) The method of claim 24, the method comprising applying twelve layers of $TiO_2$ and $SiO_2$ on the photochromic lens in a sequence: $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, in order to obtain a silver mirror like appearance.

26. (Previously Presented) The method of claim 24, the method comprising applying twelve layers of $TiO_2$, $SiO_2$ and $ZrO_2$ on the photochromic lens in a sequence: $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $ZrO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $TiO_2$, $SiO_2$, $ZrO_2$, $SiO_2$, in order to obtain a white silver like appearance.

27. (New) The lens of claim 19, wherein the plurality of dielectric layers comprises $SiO_2$ and $TiO_2$ layers.

28. (New) The lens of claim 19, wherein the lens is a sunglass lens.

29. (New) The lens of claim 24, wherein the plurality of dielectric layers comprises $SiO_2$ and $TiO_2$ layers.